

*MOJAVE DESERT*  
*AIR QUALITY MANAGEMENT DISTRICT*

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Federal Operating Permit Number: 102102443

For: County of San Bernardino Solid Waste  
Management Division

Facility: Victorville Sanitary Landfill

Issued Pursuant to MDAQMD Regulation XII  
Effective Date: November 24, 2010

•SEE TITLE V PAGE 2 FOR PERMIT REVISION SUMMARY•

This Federal Operating Permit Expires on:  
November 24, 2015

Issued By: Eldon Heaston  
Executive Director  
Air Pollution Control Officer



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## **PERMIT REVISIONS**

### **September 28, 2010 Renewal of Title V Permit:**

Update and renew Title V Permit after concurrent 30 day public notice and 45 day EPA review periods, effective reissue date November 24, 2010. The following areas of the Title V Permit were updated and or revised;

Part II, Condition B(1), revised to include the statement that records may kept at a separate site as approved by the District.

Part II, (B)(4)(e) and (B)(5), revised annual and semi-annual reporting periods.

Part III, (A)(8), revise condition consistent with landfill NSPS and Rule 1126.

Part III, (A)(14), revised condition to include equivalent ppm concentration limit.

Part III, (A)(17), revised condition consistent with the requirements found in 40 CFR 60.755(a)(3).

Part III, (A)(18), revised condition to include operating parameter flexibility allowed for in 40 CFR 60.753(c).

Part III, (A)(20), added 40 CFR 63, Subpart AAAA applicability reference.

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PART I  
INTRODUCTORY INFORMATION

A. Facility Identifying Information:

Owner/Company Name: County of San Bernardino Solid Waste Management Division

Owner Mailing Address: County of San Bernardino Solid Waste Management Division  
222 W. Hospitality Lane, 2<sup>nd</sup> Floor  
San Bernardino, California 92415-0017

Facility Name: Victorville Sanitary Landfill  
Facility Location: 18600 Stoddard Wells Road  
Victorville, California 92392

MDAQMD Federal Operating Permit Number: 102102443

MDAQMD Company Number: 1021

MDAQMD Facility Number: 02443

Responsible Official: Arthur L. Rivera, P.E.  
Phone Number: 909-386-8775

Facility "Site" Contacts: Arthur L. Rivera  
Phone Number: 909-386-8775  
Fax Number: 909-386-8900

Nature of Business: Sanitary Landfill

SIC Code: 9511 – Sanitary Landfill  
Facility Location: UTM (Km) 475-E / 3825-N

B. DESCRIPTION OF FACILITY:

LANDFILL GAS EXTRACTION AND FLARING SYSTEM

Landfill Gas Knockout Vessel/Fuel Filter (V-1)

Two Blowers (75 hp) and variable frequency drive (VFD) (250 to 2000 scfm)

Landfill Gas Flare (5.4 to 54 MMBtu/hr)

Flame Arrestor (FA-1)

Flow Element Pitot (FE-1)

Air Compressor Assembly (CMP-1A/B with spare, 88 scfm at 125 psi)

Primary Condensate Holding Tank (5000 gallon)

Secondary Condensate Holding Tank (6600 gallon)

Landfill Gas headers and laterals

Landfill Gas Extraction Well complex (at least 35 wells)

Condensate Pneumatic Pump Stations

**PART II**  
**FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:**

1. A permit is required to operate this facility.

[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.

[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The Air Pollution Control Officer may impose written conditions on any permit.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.

[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237;

Current Rule Version = 07/25/77]

6. Permits are not transferable.

[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(iv)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.

[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 10/23/00; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C) -11/09/78 43 FR 52237]

9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = 12/21/94, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]

10. Owner/Operator shall pay all applicable MDAQMD permit fees.

[**Not in SIP;** Rule 301 - *Permit Fees*; Applicable Version = Current, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

11. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.

[**Not in SIP;** Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal nor exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

13. Owner/Operator is limited to use the following quality fuels for the fuel types specified elsewhere in this permit: Public Utilities Commission (PUC) quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, state or federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or ASTM method D 2880-71, or equivalent.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(37)(i)(C)- 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(32)(iv)(A) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM<sub>10</sub> Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.

[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]

16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate



matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

- (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
- (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
- (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>), greater than or equal to 500 ppm, on a volume per volume basis.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm, on a volume per volume basis, measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

(a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

(a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.

[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

(a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should

have known of the occurrence of such breakdown; and

- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

**[SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95 Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(37)(i)(B) - 01/24/78 43 FR 3275]

23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5 kilograms (14.3 pounds) per day.
  - (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
  - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.

- (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
- (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:

- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
- (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.

(c) Cold Solvent Degreasers - Freeboard Requirements:

- (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
- (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
- (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.

- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.

(d) Cold Solvent Degreasers - Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

- (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:

- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a Federally or State licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.

- (vi) Solvent carry-out shall be minimized by the following methods:
  - a) Rack workload arranged to promote complete drainage.
  - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
  - c) Retain the workload inside of the vapor zone until condensation ceases.
  - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
  - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
- (viii) Except for sealed chamber degreasers, all solvent agitation shall be either by a pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
- (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
- (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
- (xii) A degreaser shall be located so as to minimize drafts being

directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.

- (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
  - (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
    - (i) product name(s) used in the degreaser, and
    - (ii) the mix ratio of solvent compounds (mixtures of solvents) used, and
    - (iii) VOC content of solvent or mixture of compounds as used, and
    - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
    - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
  - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating

continuous compliance during periods of emission producing activities.  
The data shall be recorded in a manner as prescribed by the District.

- (3) Documentation shall be maintained on site, for a minimum of five (5) years, of the disposal or on site recycling of any waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

<u>Table of Standards</u>	
<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350



Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400
Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall not apply any coating or adhesive to a wood product which has a VOC content, including any VOC-containing materials added to the original coating supplied by the manufacturer, which exceeds the applicable limits specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent:

LIMITS						
(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)						
<u>Coating</u>	<u>On and After 7/1/97</u>		<u>On and After 7/1/2005</u>			
	g/L	(lb/gal)	g/L	(lb/gal)	g/L	(lb/gal)
Clear Sealers	550	(4.6)	680	(5.7)	275	(2.3)
Clear Topcoat	550	(4.6)	275	(2.3)	275	(2.3)
Pigment Primers, Sealers and Undercoats	550	(4.6)	600	(5.0)	275	(2.3)
Pigmented Topcoats	550	(4.6)	275	(2.3)	275	(2.3)

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR

52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

27. Owner/Operator shall apply coatings to wood products subject to the provisions of Rule 1114 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:
- (a) Flow coat, or
  - (b) Dip coat, or
  - (b) High Volume Low Pressure (HVLP) spray, or
  - (c) Paint brush, or
  - (d) Hand roller, or
  - (e) Roll coater, or
  - (e) Such other Coating application methods as are demonstrated to the Air Pollution Control Officer to be capable of achieving at least 65 percent Transfer Efficiency and for which written approval of the Air Pollution Control Officer has been obtained.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

28. The limits of Part II, Condition A.26 shall not apply to
- (a) Wood products coating applications which emit not more than 3 pounds of VOC per hour, before the use of air pollution abatement equipment, or
  - (b) Wood products coating applications which emit not more than 15 pounds of VOC per hour, before the use of air pollution abatement equipment, or
  - (c) Facilities that do not exceed 10 tons per year Theoretical Potential Emissions.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

29. The provisions of Part II, Condition A.26 shall not apply to the application of refinishing,

touch-up coatings, repair coatings, stencil coatings.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

30. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:

- (a) The use of aerosols
- (b) Facilities whose rate per day of coating use is less than one gallon, including any VOC-containing materials added to the original coating as supplied by the manufacturer. Only coatings subject to this rule should be included in the calculation of rate per day, or coating application operations that emit not more than 3 pounds of VOCs per day and not more than 200 pounds of VOCs per calendar year.
- (c) Laminating of fiberglass, metal, or plastic sheets to wood panels.
- (d) The application of coatings to musical instruments.
- (d) The application of coating to billiard tables.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

31. Owner/Operator of any facility classified as exempt or claiming to be exempt, under Rule 1114, shall meet the record keeping requirements of Rule 1114 so as to be able to certify the exemption status.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation and cleanup:

- (a) A person shall not use an organic compound for surface preparation, except strippers, which a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon).
- (b) A person shall not use a stripper on wood products unless it contains less than 350

grams of VOC per liter of material.

- (c) A person shall use closed, non-absorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (d) A person shall store fresh or spent solvent in closed containers.
- (e) A person shall not use organic compounds for the cleanup of spray equipment including paint lines unless equipment for collecting the cleaning compounds minimizing their evaporation to the atmosphere is used.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

33. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1114 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1114 are achieved.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

34. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

35. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment

with a capture and control system Combined Efficiency of at least 85 percent:

<u>LIMITS</u>				
(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)				
<u>Coating</u>	<u>Air Dried</u>		<u>Baked</u>	
	gr/L	(lb/gal)	gr/L	(lb/gal)
General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

36. The provisions of Part II, Condition A.34 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

37. The provisions of Part II, Conditions A.34 and A.35 shall not apply to:
- (a) A facility, which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
  - (b) Total non-compliant coating use per facility that does not exceed 55 gallons per year.
  - (c) Stencil coatings.
  - (d) Safety-indicating coatings.
  - (e) Magnetic data storage disk coatings.
  - (f) Solid-film lubricants.
  - (g) Adhesives.
  - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

38. Owner/Operator of any facility classified as exempt or claiming to be exempt, under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

39. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

40. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
- (a) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
  - (b) VOC-containing materials has an initial boiling point of 190° C (374° F) or greater; or
  - (c) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20° C (68° F).
  - (d) Owner/Operator shall use closed, non-absorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
  - (e) Owner/Operator shall store fresh or spent solvent in closed containers.
  - (f) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

41. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

42. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use, which provides all of the coating data necessary to evaluate

compliance, including the following information, as applicable:

1. coating, catalyst, and reducer used.
  2. mix ratio of components used.
  3. VOC content of coating as applied.
  4. quantity of Group II exempt compounds used.
- (b) Owner/Operator shall maintain records on a daily basis including:
1. coating and mix ratio of components used in the coating; and
  2. quantity of each coating applied.
- (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
- (d) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

43. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.  
[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]  
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirement*] (*for Periodic Monitoring Requirements, see Part II and Part III conditions*)
44. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.



[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] ( *for Periodic Monitoring Requirements, see Part II and Part III conditions*)

45. A violation of the limits contained in Part II, Conditions A.26 through A.47 as determined by any one of Part II, Conditions 46 and 47 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.  
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]  
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
46. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.46, as required by Rules 1114 and 1115:
- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
  - (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.46 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
  - (c) Transfer efficiency as required by Part II, Conditions A.26 through A.46 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989*.
  - (d) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
  - (e) Calculation of total VOC vapor pressure for materials subject to subsection

- (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
- (f) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
  - (g) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
  - (h) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
  - (i) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
  - (j) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
  - (k) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
  - (l) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
  - (m) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[Rule 1114 – *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C) - 08/18/98 63 FR 44132]

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements* ] ( *for Periodic Monitoring Requirements, see Part II and Part III conditions*)

47. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).

[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

**B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:**

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title 5 Permit) shall be kept current and on site (or at a separate site as approved by the District) for a minimum of five (5) years from the date generated. Any records, data or logs shall be supplied to qualified District, CARB or EPA personnel upon request.  
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by qualified District, CARB or EPA personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement is sufficient.  
[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]  
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. FEDERAL AND STATE REQUIREMENTS

Several Sections of the Federal Clean Air Act (FCAA) require the maintenance and use of emission inventory data for a variety of purposes. To improve and simplify emission reporting the USEPA has established new requirements for the statewide reporting of point, area and mobile sources emissions which is found in the Consolidated Emissions Reporting Rule, 40 CFR 51 Subpart A. (67 FR 39611, 6/10/2002).

The California Clean Air Act (CCAA, Health & Safety Code §§39000 et seq.) requires the collection and maintenance of several different emissions inventories. These are: a criteria emission inventory (Health & Safety Code § 39607) and a toxic emission inventory (Health & Safety Code § 44340). In addition, specified sources of air pollutants are required to submit a Toxic Emission Inventory Plan (TEIP) and Toxic Emission Inventory Report (TEIR) (Health & Safety Code §§44341, 44342).

- (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.  
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1); Rule 1208]
- (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.  
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
- (c) Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA.  
[40 CFR 70.6(5)(iii); Rule 1203(D)(1)(g)(ix)]
- (d) Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.  
[Rule 1203 (D)(1)(g)(x)]
- (e) On an annual basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. ***Effective January 1, 2010*** the Owner/Operator shall submit a *Compliance Certification Report* according to the following revised reporting schedule: The *annual* report shall cover the

reporting period from January 1 through December 31 of each previous year and shall be submitted no later than 30 days following the end of the reporting period. Each report shall be certified to be true, accurate, and complete by "The Responsible Official" and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.  
[Rule 1203 (D)(1)(g)(v - x) and Federal Clean Air Act §503(b)]

5. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report of Deviations* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report of Deviations* (covering a six month period) shall be submitted (1) no later than 30 days following the midpoint of the Federal Operating Permit Year (within 210 days following the Title 5 Permit anniversary date) and (2) as a separate report accompanying the *Annual Compliance Certification*. ***Effective January 1, 2010*** the Owner/Operator shall submit on a *semi-annual* basis, a *Monitoring Report of Deviations* to the APCO/District, with a copy to the EPA Region IX Administrator, according to the following revised reporting schedule: Each *Monitoring Report of Deviations* (covering the periods from January 1 through June 30, and July 1 through December 31 of each year) shall be submitted (1) no later than 30 days following the end of each six month reporting period and (2) as a separate report accompanying the *Annual Compliance Certification*. This *Monitoring Report of Deviations* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:
  - (a) Summary of all reportable deviations from any federally enforceable requirement in this permit.
  - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
  - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
  - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.[1203(D)(1)(c)(i - iii); 1203(D)(1)(d)(i); Rule 1203(D)(1)(e)(i - ii); Rule 1203(D)(1)(g)(v - x)]
6. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.

[Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.

[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]

- (b) Other deviations from permit conditions not involving excess emissions of air contaminants shall be reported to the District with any required monitoring reports at least every six (6) months.

[Rule 1203(D)(1)(e)(i)]

- 7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities,

milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

**C. FACILITYWIDE COMPLIANCE CONDITIONS:**

1. Subject to safety, security, and operational considerations, Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice, upon presentation of credentials and other documents as may be required by law.  
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.  
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.  
[Rule 1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.  
[Rule 1201 (I)(2); Rule 1203(D)(1)(g)(v)]



**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A.     DESCRIPTION OF FACILITY:**

**A-1.   LANDFILL GAS EXTRACTION AND FLARING SYSTEM:**

Landfill Gas Knockout Vessel/Fuel Filter (V-1)  
Blower (75 hp) and VFD (250 to 2000 scfm)  
Landfill Gas Flare (5.4 to 54 MMBtu/hr)  
Flame Arrestor (FA-1)  
Flow Element Pitot (FE-1)  
Air Compressor Assembly (CMP-1A/B with spare, 88 scfm at 125 psi)  
Primary Condensate Holding Tank (5000 gallon)  
Secondary Condensate Holding Tank (6600 gallon)  
Landfill Gas headers and laterals  
Landfill Gas Extraction Well complex (at least 35 wells)  
Condensate Pneumatic Pump Stations

**PERMIT CONDITIONS:**

PERMIT CONDITIONS; (UNLESS OTHERWISE STATED ALL CONDITIONS  
RESULT FROM RULE 204 - PERMIT CONDITIONS; VERSION IN SIP = CARB EX.  
ORDER G-73, 40 CFR 52.220(C)(39)(II)(B) - 11/09/78 43 FR 52237; CURRENT RULE  
VERSION = 07/25/77:

1.     Operation of this equipment shall be in strict compliance with all the information submitted with the application for which this permit has been issued, unless specifically exempted hereunder.
2.     All landfill gas collected from this landfill shall be directed to the flare for combustion.
3.     A sufficient number of sight glass windows shall be maintained in the flare to allow visual inspection of the flare flame at all times. Adequate and safe access shall be provided to all sight glass windows.

4. The owner/operator (o/o) shall provide sampling ports necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
5. A sampling port shall be maintained at the landfill gas inlet line to allow the collection of a landfill gas sample.
6. The flare shall be equipped with at least four thermocouples and recorder, which measures and records the gas temperature in the flare stack. The temperature indicator and recorder shall operate whenever the flare is in operation.  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
7. At least one of the thermocouples used to measure the flare temperature shall be above the flame and at least four feet below the top of the flare shroud and at least 0.6 seconds downstream of the burner.
8. At all times that the flare is in operation, a temperature of at least 1400 degrees Fahrenheit, shall be maintained in the flare stack 0.6 seconds downstream of the burner, except during flare start-up and shut-down for a time period not to exceed 30 minutes in length. The temperature shall be monitored and measured by the temperature indicator and recorder and shall be averaged at 15 minute intervals.
9. The landfill gas flow rate to the flare shall be continuously monitored by a flow indicator and recorder.  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
10. A pressure differential indicator shall be maintained across each flame arrester.  
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]
11. Oxides of nitrogen emissions from the flare shall not exceed 0.06 pounds per MMBtu of heat input.
12. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such tests shall be submitted to the District within forty-five (45) days after testing.
13. The o/o shall perform the following compliance tests annually in accordance with the

MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required at the maximum achievable flow rates at the time of the test (inlet refers to flare landfill gas inlet and exhaust refers to flare exhaust):

- a. Non-methane hydrocarbons in lbs/hr (inlet and exhaust)
- b. Oxides of Nitrogen in lbs/MMBtu (exhaust)
- c. PM10 in lbs/hr (exhaust)
- d. Hydrogen sulfide in lbs/hr (inlet and exhaust)
- e. Carbon dioxide as percent by volume dry (inlet and exhaust)
- f. Oxygen as percent by volume dry (inlet and exhaust)
- g. Moisture content as percent by weight (inlet and exhaust)
- h. Temperature in Fahrenheit (inlet and exhaust)
- i. Flow rate in dscfm (inlet and exhaust)

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*]

- 14. This equipment shall achieve at least 98% destruction efficiency for non-methane hydrocarbons or less than or equal to 20 parts per million (ppmv) (as hexane at 3% oxygen), measured from landfill gas inlet to flare exhaust.
- 15. The o/o shall submit an application to modify this permit should additional flares or other gas control equipment is required for this landfill.
- 16. All information gathered by monitoring equipment specified in these conditions shall be maintained in a current, on-site (or at a separate site as approved by the District) log for five (5) years. This log shall be provided to District staff upon request. The o/o shall prepare and submit to the District a quarterly report within 30 days of each quarterly sampling that contains the results of the quarterly sampling, each monthly monitoring report, all corrective actions taken during the past quarter, and a summary of all other logged information from the quarter.
- 17. The gas collection header shall have a pressure tap at each individual well. Pressure readings shall be taken and logged monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for under the following conditions: a fire or increased well temperature, use of a geomembrane or synthetic cover, or a decommissioned well. If not corrected within 15 days the gas collection must be expanded within 120 days of the first positive reading. [40 CFR 60.755(a)(3)]
- 18. Each well shall be equipped with one or more sampling ports or taps to allow the measurement of temperature, and either nitrogen content or oxygen content. These measurements shall be taken and logged monthly. The temperature shall be less than 131

degrees Fahrenheit (55 C), and the nitrogen level less than 20 percent or the oxygen level less than 5 percent. If a well exceeds one of these operating parameters, action shall be initiated to correct exceedance(s) within 5 calendar days. If not corrected within 15 days the gas collection system must be expanded within 120 days of the first excess reading or an alternate remedy and/or timeline may be proposed. The o/o may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. [40 CFR 60.753(c) and 755(a)(5)]

19. The o/o shall monitor the landfill surface for methane on a quarterly basis. The surface monitoring shall be performed in accordance with a District-approved monitoring plan. The entire perimeter and surface shall be monitored using a serpentine pattern spaced at 30 meters. Any point with a methane concentration of 500 ppm or more above background shall be recorded and the point marked (flagged). Corrective action shall be taken and the point re-monitored within 10 days. If another excess reading is taken, additional corrective action shall be taken, and the location shall be re-monitored within 10 days of the second exceedance. If re-monitoring shows a third exceedance for the same location, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. [40 CFR 60.755(c)]
20. This equipment and the associated landfill shall be operated in compliance with Rule 1126, NSPS Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills (40 CFR 60.750) and National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR 63, Subpart AAAA).

## PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.

[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]

2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).

[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.

[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.

[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.

[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]

7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, terminating, or determining compliance with the Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. Owner/Operator shall furnish to qualified District, CARB or EPA personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.

[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]

11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.

[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).

[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.

[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.

[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]

15. This facility is not subject to any Applicable Requirement Contained in the Acid Rain Program.

[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.

[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.

[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.

[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.

[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]

20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart F]

21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.

[Section 113(a) of the Clean Air Act]



## PART V OPERATIONAL FLEXIBILITY

### A. ALTERNATIVE OPERATING SCENARIO (S):

Facility individual State/District Permits are already conditioned to allow facility-wide emissions cap and internal netting. Further, the conditions of these State/District level permits are listed within Part III of this Title V Permit. This facility State/District emissions cap is federally enforceable under the conditions of this Title V Permit.

Facility must comply with these already listed conditions and keep records required for a period of five (5) years from the date the data is generated, and made available to District, State or Federal personnel on request.

### B. OFF PERMIT CHANGES

- I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
  - A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
    1. The proposed change is not:
      - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)d.]*
      - b. A modification under Title I of the Federal Clean Air Act; or
      - c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i) d.]*
      - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(i)c.]*
      - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)e.]*
- II. Procedure for “Off Permit” Changes
  - A. If a proposed “Off Permit Change” qualifies under Part V, Section (A)(I)(A)(1) above, permittee shall implement the change as follows:
    1. Permittee shall apply for an Authority To Construct permit pursuant to the

- provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
    - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(i)b.]*
    - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(i)b.]*
    - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(i)c.]*
  3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(i)a.]*
- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(i)a. and g.]*
- C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
- D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(i)f.]*
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*  
*[Rule 1203(E)(1)(c)]*

## PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR72, Permits Regulation (Acid Rain Program)  
40CFR73, Sulfur Dioxide Allowance System  
40CFR75, Continuous Emission Monitoring  
40CFR75, Subpart D, Missing Data Substitution Procedures  
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures  
40CFR75, Appendix C, Missing Data Estimating Procedures  
40CFR75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol  
40CFR75, Appendix F, Conversion Procedures  
40CFR75, Appendix G, Determination of CO<sub>2</sub> Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
hp	horsepower
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
NESHAP	National Emission Standards for Hazardous Air Pollutants
PM <sub>10</sub>	particulate matter less than 10 microns mean aerodynamic diameter
psia	pounds per square inch absolute
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>2</sub>	sulfur dioxide